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Technical specifications. The new BMW 3 Series Touring. 320d.



Effective capacity cc 1995 Stroke/bore mm 90.0 / 84.0 Compression ratio :1 16.5 Fuel Diesel Max output kW/hp 140 / 190 at rpm 4000 Max torque Nm 4000 Max torque Nm 4000 Max torque Nm 1750 – 2500 48 V mild hybrid technology Max output kW/hp 8 / 11 Electrical System 12 V battery/installation Ah/- 80 / luggage compartment A8 V battery/installation Ah/- 11 / engine compartment Driving Dynamics and Safety Suspension, front Double-joint spring strut axle in lightweight aluminium-steel construction, hydraulically damped torque strut bearing Suspension, rear Five-link axle in lightweight aluminium-steel construction Brakes, front Vented disc brakes, with single-piston floating callipers Brakes, rear Vented disc brakes, with single-piston floating callipers Driving stability systems Standard: DSC incl. ABS and DTC (Dynamic Traction Control), DR Sc (Corneric Brake Control), DBC (Dynamic Brake Control), Performance Control, Dry Brake function, Fading Compensation, Start-Off Assistant; optional: Adaptive M suspension Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front pass			BMW 320d Touring		
No of Gordsheats					
Lengthwidthheight (unladen)			5.15		
Wheelbase					
Track, front/rear					
Ground clearance mm 141 Turning circle m 11.4 Fuel tank capacity approx. I 40 (optional: 59) Engine oil " I 5.5 Weight, unladen, to DINEU kg 1630 / 1705 Max load to DIN kg 555 Max axel load, front/rear kg 1025 / 1290 Max radise load, front/rear kg 100750 Max roofload/max towbar dg 75 / 175 download to DIN EU kg 1800 / 750 Max roofload/max towbar kg 75 / 175 Max roofload/max towbar kg 75 / 175 Max roofload/max towbar kg 75 / 175 Max roofload/max towbar kg 0.27 x 2.22 Power Unit ConfigNo of cylshalws Engine technology BMW TwinPower Turbo technology, multi-stage turbocharging, turbocharge with variable inlet geometry, common-rail direct injection with solenoid inject (max. injection pressure: 2000 bar) Effective capacity cc 1995 Effective capacity cc 1995 Strokebore mm 90.0 / 84.0 Compression ratio :1 1.5.5 Fuel Diesel Max output kW/hp 140 / 190 at pm 4000 Max torque Nm 400 at pm 1750 - 2500 48 V mild hybrid technology Max output kW/hp 8 / 11 Electrical System 12 V battery/installation Ah/- 80 / luggage compartment Electrical System Diving Dynamics and Safety Suspension, rear Five-link abe in lightweight aluminium-steel construction, hydraulically damped torque strut bearing Suspension, rear Five-link abe in lightweight aluminium-steel construction Prakes, front Vented disc brakes, with single-piston floating callipers Frakes, rear Vented disc brakes, with single-piston floating callipers Standard: DSC incl. ABS and DTC (Dynamic Traction Control), Dry Braki function, Fading Compensation, Stant-Off Assistant; optional: variable sport steering Steering Electric Power Steering EPS with Seventoric function; optional: variable sport steering Steering ratio, overall :1 1.4.1 Tyes, frontfeer		mm			
Turning circle					
Fuel tank capacity approx. I 40 (optional: 59) Engine oil 11 5.5 Max load to DIN kg 1630 / 1705 Max load to DIN kg 2595 Max ade load, front/rear kg 1025 / 1290 Max trailer load, kg 1800 / 750 Max load to DIN kg 1800 / 750 Max trailer load, kg 1800 / 750 Max trailer load, kg 75 / 75 Max trailer load, kg 75 / 75 Max rotofloadimax towbar download Max rotofloadimax towbar download Luggage comp capacity I 500 - 1510 Air resistance Cd X A 0.27 x 2.22 Power Unit ConfigNo of cyls/valves Engine technology BMW TwinPower Turbo technology: multi-stage turbocharging, turbocharge with variable inlet geometry, common-rail direct injection with solenoid injector (max. injection pressure: 2000 bar) Effective capacity Cc 1995 Stroke/bore mm 90.0 / 84.0 Compression ratio :1 16.5 Fuel Diesel Max output kW/hp 140 / 190 at rpm 4000 Max torque Nm 400 Max torque Nm 400 Max torque Nm 400 Max torque Nm 400 Max output kW/hp 8 / 11 Electrical System 12 V battery/installation Ah/- 80 / luggage compartment All- 80 / luggage compartment Driving Dynamics and Safety Suspension, rear Prove Installation Ah/- 11 / engine compartment Driving Stability systems Standard: DSC incl. ABS and DTC (Dynamic Traction Control,), DSC (Cornel). Brakes, front Brakes, front Vented disc brakes, with single-piston floating callipers Driving stability systems Standard: BSC incl. ABS and DTC (Dynamic Traction Control,), DSC (Cornel). Brake Control, DSC (Ornel). Brake Control, DSC (Cornel).		mm			
Engine oil 1					
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Max permissible weight kg 12255 Max ade load, front/rear kg 1025/1290 Max vale load, front/rear kg 1025/1290 Max trailer load, kg 1800/750 Max roffoad/max towbar down kg 1800/750 Max roffoad/max towbar kg 75/75 download Luggage comp capacity I 500 – 1510 Air resistance Cax A 0.27 x 2.22 Power Unit Config/No of cyls/valves In-line / 4 / 4 Engine technology BMW TwinPower Turbo technology: multi-stage turbocharging, turbocharge with variable inlet geometry, common-rail direct injection with solenoid inject (max. injection pressure: 2000 bar) Effective capacity cc 1995 Strokelbore mm 9.0.0 / 84.0 Compression ratio :1 16.5 Fuel Diesel Max output kW/hp 140/190 at rpm 4000 Max torque Nm 400 at rpm 4000 A8 V mild hybrid technology Max output kW/hp 8 / 11 Electrical System 12 V battery/installation Ah/- 80 / luggage compartment 48 V battery/installation Ah/- 11 / engine compartment Driving Dynamics and Safety Duble-joint spring strut axle in lightweight aluminium-steel construction, hydraulically damped torque strut bearing Brakes, front Vented disc brakes, with single-piston floating callipers Prive-link axle in lightweight aluminium-steel construction, hydraulically damped torque strut bearing Standard: DSC incl. ABS and DTC (Dynamic Traction Control), DSC (Corneris Brakes, rear Vented disc brakes, with single-piston floating callipers Standard: airbags for driver and front passenger, side		kg			
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Brakes, rear Vented disc brakes, with single-piston floating callipers Driving stability systems Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering Brake Control), DBC (Dynamic Brake Control), Performance Control, Dry Braking Compensation, Start-Off Assistant; optional: Adaptive M suspension Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and from passenger, head airbags front and rear, three-point inertia-reel seatbelts on a seats with belt stopper, belt tensioner and belt force limiter at the front, crash active front head restraints, crash sensors, tyre pressure indicator Steering Electric Power Steering (EPS) with Servotronic function; optional: variable sport steering Steering ratio, overall 14.1 Tyres, front/rear			• • •		
Driving stability systems Standard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Corneris Brake Control), DBC (Dynamic Brake Control), Performance Control, Dry Braking Compensation, Start-Off Assistant; optional: Adaptive M suspension Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on a seats with belt stopper, belt tensioner and belt force limiter at the front, crash active front head restraints, crash sensors, tyre pressure indicator Steering Electric Power Steering (EPS) with Servotronic function; optional: variable sport steering Steering ratio, overall 14.1 Tyres, front/rear	·				
Brake Control), DBC (Dynamic Brake Control), Performance Control, Dry Braki function, Fading Compensation, Start-Off Assistant; optional: Adaptive M suspension Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and from passenger, head airbags front and rear, three-point inertia-reel seatbelts on a seats with belt stopper, belt tensioner and belt force limiter at the front, crash active front head restraints, crash sensors, tyre pressure indicator Steering Electric Power Steering (EPS) with Servotronic function; optional: variable sport steering Steering ratio, overall 14.1 Tyres, front/rear 225/50 R17 98Y XL					
function, Fading Compensation, Start-Off Assistant; optional: Adaptive M suspension Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on a seats with belt stopper, belt tensioner and belt force limiter at the front, crash active front head restraints, crash sensors, tyre pressure indicator Steering Electric Power Steering (EPS) with Servotronic function; optional: variable sport steering Steering ratio, overall 14.1 Tyres, front/rear 225/50 R17 98Y XL	Driving stability systems				
Optional: Adaptive M suspension Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on a seats with belt stopper, belt tensioner and belt force limiter at the front, crash active front head restraints, crash sensors, tyre pressure indicator Steering Electric Power Steering (EPS) with Servotronic function; optional: variable sport steering Steering ratio, overall 11.1 Tyres, front/rear 225/50 R17 98Y XL					
Safety equipment Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, three-point inertia-reel seatbelts on a seats with belt stopper, belt tensioner and belt force limiter at the front, crash active front head restraints, crash sensors, tyre pressure indicator Steering Electric Power Steering (EPS) with Servotronic function; optional: variable sport steering Steering ratio, overall 14.1 Tyres, front/rear 225/50 R17 98Y XL					
passenger, head airbags front and rear, three-point inertia-reel seatbelts on a seats with belt stopper, belt tensioner and belt force limiter at the front, crash active front head restraints, crash sensors, tyre pressure indicator. Steering Electric Power Steering (EPS) with Servotronic function; optional: variable sport steering. Steering ratio, overall 11.1 Tyres, front/rear 225/50 R17 98Y XL					
seats with belt stopper, belt tensioner and belt force limiter at the front, crash active front head restraints, crash sensors, tyre pressure indicator Steering Electric Power Steering (EPS) with Servotronic function; optional: variable sport steering Steering ratio, overall :1 14.1 Tyres, front/rear 225/50 R17 98Y XL	Safety equipment				
active front head restraints, crash sensors, tyre pressure indicator Steering Electric Power Steering (EPS) with Servotronic function; optional: variable sport steering Steering ratio, overall :1 14.1 Tyres, front/rear 225/50 R17 98Y XL			, , ,		
Steering Electric Power Steering (EPS) with Servotronic function; optional: variable sport steering Steering ratio, overall :1 14.1 Tyres, front/rear 225/50 R17 98Y XL					
Steering ratio, overall :1 14.1 Tyres, front/rear 225/50 R17 98Y XL					
Steering ratio, overall :1 14.1 Tyres, front/rear 225/50 R17 98Y XL	Steering		g, ,		
Tyres, front/rear 225/50 R17 98Y XL			· · · · · · · · · · · · · · · · · · ·		
	Steering ratio, overall	:1	14.1		
==::=::::	Tyres, front/rear				
Rims, front/rear 7.5J x 17 light-alloy	Rims, front/rear		7.5J x 17 light-alloy		

			BMW 320d Touring		
Transmission					
Type of transmis	ssion		eight-speed Steptronic transmission		
Gear ratios	I	:1	5.250		
		:1	3,360		
-	III	:1	2.172		
-	IV	:1	1,720		
-	V	:1	1,316		
	VI	:1	1,000		
	VII	:1	0.822		
	VIII	:1	0.640		
	R	:1	3.712		
Final drive		:1	2.813		
Performance					
Power-to-weigh	nt ratio (DIN)	kg/kW	11.6		
Output per litre		kW/l	70.2		
Acceleration	0-100 km/h	S	7.1		
Top speed		km/h	230		
BMW Efficient	tDynamics				
BMW EfficientD	ynamics		Mild hybrid technology with 48 volt starter generator, Brake Energy		
standard feature	es	Re	generation with recuperation display, Auto Start Stop function, ECO PRO and		
		CC	DMFORT mode with coasting function, Proactive Driving Assistant. Optimum		
			Shift Indicator, Electric Power Steering (EPS), BMW EfficientLightweight,		
		op	otimised aerodynamic attributes, active air flap control, on-demand operation		
		of	ancillary units, map-regulated oil pump, differential with optimised warm-up		
		behaviour, tyres with reduced rolling resistance,			
			BMW Blue Performance technology including SCR catalytic converter		
Fuel Consump	otion ECE				
Urban		l/100 km	4.7 – 4.6		

 Extra-urban
 V/100 km
 4.0 - 3.9

 Combined
 V/100 km
 4.3 - 4.2

 CO2
 g/km
 112 - 109

 Emission rating
 Euro 6d

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

The fuel consumption, CO₂ emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO₂ emissions, the CO₂ values may differ from the values stated here (depending on national legislation).

Further information on official fuel consumption figures and specific CO₂ emission values of new passenger cars is included in the following guideline: 'Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen' (Guide to the fuel economy, CO₂ emissions and electric power consumption of new passenger cars), which can be obtained free of charge from all dealerships, from Deutsche Automobil Treuhand GmbH (DAT), Hellmuth-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen and at https://www.dat.de/co2/.

¹⁾ Oil change

The new BMW 3 Series Touring. 320d xDrive.

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		BMW 320d xDrive Touring
Body		515
No of doors/seats		5/5
Length/width/height (unladen)	mm	4709 / 1827 / 1445
Wheelbase	mm	2851
Track, front/rear	mm	1573 / 1567
Ground clearance	mm	135
Turning circle	m	12.0
Fuel tank capacity	approx. I	40 (optional: 59)
Engine oil 1)		5.5
Weight, unladen, to DIN/EU	kg	1690 / 1765
Max load to DIN	kg	600
Max permissible weight	kg	2290
Max axle load, front/rear	kg	1095 / 1315
Max trailer load,	kg	
braked (12%)/unbraked		1800 / 750
Max roofload/max towbar download	kg	75 / 75
Luggage comp capacity		500 – 1510
Air resistance	Cd X A	0.27 x 2.22
7 11 10010101100	OG AT A	SIET X EIEE
Power Unit		
Config/No of cyls/valves		In-line / 4 / 4
Engine technology		BMW TwinPower Turbo technology: multi-stage turbocharging, turbocharger
	W	ith variable inlet geometry, common-rail direct injection with solenoid injectors
		(max. injection pressure: 2000 bar)
Effective capacity	CC	1995
Stroke/bore	mm	90.0 / 84.0
Compression ratio	:1	16.5
Fuel		Diesel
Max output	kW/hp	140 / 190
at	rpm	4000
Max torque	Nm	400
at	rpm	1750 – 2500
48 V mild hybrid technology		
Max output	kW/hp	8/11
Electrical System		
12 V battery/installation	Ah/-	80 / luggage compartment
48 V battery/installation	Ah/-	11 / engine compartment
40 V Datterynnstallation	AII/	TT7 engine compartment
Driving Dynamics and Safe	ty	
Suspension, front		Double-joint spring strut axle in lightweight aluminium-steel construction,
		hydraulically damped torque strut bearing
Suspension, rear		Five-link axle in lightweight aluminium-steel construction
Brakes, front		Vented disc brakes, with single-piston floating callipers
Brakes, rear		Vented disc brakes, with single-piston floating callipers
Driving stability systems	S	tandard: DSC incl. ABS and DTC (Dynamic Traction Control), CBC (Cornering
	Br	rake Control), DBC (Dynamic Brake Control), Performance Control, Dry Brakinç
		function, Fading Compensation, Start-Off Assistant, xDrive all-wheel-drive
		system linked with DSC; optional: Adaptive M suspension
Safety equipment	St	tandard: airbags for driver and front passenger, side airbags for driver and front
	p	passenger, head airbags front and rear, three-point inertia-reel seatbelts on all
		seats with belt stopper, belt tensioner and belt force limiter at the front, crash-
		active front head restraints, crash sensors, tyre pressure indicator
		Electric Power Steering (EPS) with Servotronic function;
Steering		
Steering		optional: variable sport steering
Steering Steering ratio, overall	:1	optional: variable sport steering 14.9
	:1	

		BMW 320d xDrive Touring
Transmission		
Type of transmission		Eight-speed Steptronic transmission
Gear ratios I	:1	5.250
ll .	:1	3.360
III	:1	2.172
IV	:1	1.720
V	:1	1.316
VI	:1	1.000
VI	l :1	0.822
VI	II :1	0.640
R	:1	3.712
Final drive	:1	2.813
Performance		
Power-to-weight ratio (DIN)	kg/kW	12.1
Output per litre	kW/l	70.2
Acceleration 0-100 km/h	S	7.4
Top speed	km/h	225

BMW EfficientDynamics

BMW EfficientDynamics standard features

Mild hybrid technology with 48 volt starter generator, Brake Energy Regeneration with recuperation display, Auto Start Stop function, ECO PRO and COMFORT mode with coasting function, Proactive Driving Assistant. Optimum Shift Indicator, Electric Power Steering (EPS), BMW EfficientLightweight, optimised aerodynamic attributes, active air flap control, on-demand operation of ancillary units, map-regulated oil pump, efficiency-optimised all-wheel drive, differential with optimised warm-up behaviour, tyres with reduced rolling resistance, BMW Blue Performance technology including SCR catalytic converter

Fuel Consumption	ECE		
Urban	l/100 km	5.2 – 5.1	
Extra-urban	l/100 km	4.2 – 4.1	
Combined	l/100 km	4.5 – 4.5	
CO ₂	g/km	119 – 117	
Emission rating		Euro 6d	

Specifications apply to ACEA markets/data relevant to homologation applies in part only to Germany (weight)

The fuel consumption, CO2 emissions and electric power consumption figures were determined according to the European Regulation (EC) 715/2007 in the version applicable. The figures refer to a vehicle with basic configuration in Germany. The range shown considers the different sizes of the selected wheels/tyres and the selected items of optional equipment, and may vary during configuration.

The values are based on the new WLTP test cycle and are translated back into NEDC-equivalent values in order to ensure comparability between the vehicles. With respect to these vehicles, for vehicle-related taxes or other duties based (at least inter alia) on CO₂ emissions, the CO₂ values may differ from the values stated here (depending on national legislation).

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